



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT EXAMINING DIVISION

Applicant: HARP *et al* Docket Ref.: FIREPLACE
Serial No.: 10/766,628
Filing Date: Jan. 28, 2004 Group Art Unit: 3749
Title: FIRELIGHT REFLECTIVE SYSTEM AND METHOD Examiner: Carl D. Price

AFFIDAVIT PURSUANT TO 37 C.F.R. 1.132

I, Yashvinder Sabharwal, declare that I am a resident of Tucson, Arizona (Pima County). Based upon my personal knowledge, I would competently testify to the truth of the following:

1. I received a Bachelors of Science degree in Optics from the Institute of Optics at the University of Rochester in 1992. I received a Masters of Science degree in Optical Sciences from the Optical Sciences Center at the University of Arizona in 1994. I received a Ph.D. degree in Optical Sciences from the Optical Sciences Center at the University of Arizona in 1998.

2. Work History

March 2005 - Present Director, Product Marketing
Photometrics, Ltd., Tucson, AZ
Responsible for product management of various optical, electronic, and software products.

July 1996 - Mar 2005 CO-FOUNDER
Optical Insights, LLC, Santa Fe, NM.
Designed and manufactured imaging products for various applications. Currently manufacturing MultiSpec Imager™ line of products for multi-spectral imaging and temperature measurement applications.
Optical Lens Design - Diffraction analysis, lens design and tolerancing of complicated optical systems including miniature optics and gradient index lenses.
Software Development - Design and development of Windows-based software for processing of multispectral images using Visual Basic and Visual C.
Optical Insights was acquired by Photometrics in March 2005.

Jan. 1999 - Sept. 1999 RESEARCH ASSOCIATE:
Dept. of Radiology, University of Arizona, Tucson, AZ
Optical Design - Design and tolerancing of miniaturized objectives for high-resolution imaging inside the body. Design of mechanical components for focus control and optical sectioning for in-vivo slit scanning confocal microscope.
Fluorescence Imaging - Evaluating different fluorescent compounds, including PDT agents, for in-vitro and in-vivo imaging at the cellular level. Evaluating the use of multispectral imaging techniques with multiple fluorescent agents to improve image contrast.

Sept. 1992 - Dec. 1998 GRADUATE RESEARCH ASSOCIATE; Advisor: Dr. Arthur F. Gmitro
Optical Sciences Center/Dept. of Radiology, University of Arizona, Tucson, AZ
Researching the use of optics technology in various medical imaging applications:

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EXHIBIT

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